Setting store audio levels:
(all of the following steps should be taken prior to your store opening…or when ambient store noise is at a minimum. Show levels should be reset with every new show that comes to the location.)

1. Set all your amps to 75% (back of amplifiers):
    a. Top Amp Channel 1 (Subwoofer)
    b. Top Amp Channel 2 – (Showroom)
    c. Bottom Amp Channel 1 (Kiddie)
    d. Bottom Amp Channel 2 (Skills)

2. Showroom Audio/Subwoofer mix (this is highly subjective. We are looking for good clear audio, without too much "BOOM" from the sub. Please work with your GM to determine a good level for your sub woofer.)
    a. Listen in your showroom. If audio sounds muddy and unclear, your subwoofer is up too loud. Bring down channel 1 on your top amp a bit to bring a better mix.
    b. If the audio seems too thin without much presence, your subwoofer may need to be brought up a bit (too much sub will make the audio muddy). Turn channel 1 of your top amp up a bit to bring a better mix.
3. Set your Show Room audio levels:
    a. Audio levels in your Show Room are controlled by one of the following pieces of equipment: a "Symetrix" or a "Cop", "Cop 2 Controller", or "Pal Controller". Please follow the specified directions for your particular piece of equipment below.
    b. SYMETRIX –
        i. Make sure your Manager Control Panel volume is set at 50%.
        ii. Now, at the front of your Symetrix, set each knob according to spec (page 12 of Studio C Tech Manual).
            1. Page Mic – 5%
            2. Sense Mic 1 – 75%
            3. Sense Mic 2 – 75%
            4. Averaging Time – 15 Seconds
            5. Page Over Music – 0
            6. Ratio Sense: Output – 1:1
            7. Output Gain Trim – 50%
        iii. Set min and max audio levels on your Symetrix
            1. Find someone who can stand in the middle of your showroom to measure decibel levels with your db meter (Should be set to 'Fast' and 'dbC'…set it to 70dbs when measuring Min and 90dbs when measuring the Max)
            2. Once your db meter person is in place, hit the 'Mode' button on the front of your Symetrix. The audio level will drop down to the Minimum level. This should be hitting at 75 dbs. If not, adjust the 'MIN' knob accordingly to bring level up or down. Once the knob is left alone for a number

of seconds, it will shift to the Maximum level (this will be LOUD…or should be…don't be alarmed). Your 'MAX' level should be set at 95 dbs. Adjust the 'MAX' knob accordingly. Once this is set, the show will go back to an average audio level, which should be good and strong…but not overwhelming. If you miss the window of opportunity to set the Min or the Max, simply hit the Mode button and start over.

3. Your Show Room Audio is set and shouldn't need to be adjusted until a new show comes your way!

c. COP, COP 2 CONTROLLER
The Cop and Cop 2 controller are primarily used to project birthday names unto the monitor screens when a birthday show is selected. However the audio does run through them for remote volume control. On the Cop 2 Controllers there are adjustments on the front for Show Volume control and MIC volume control. No calibration is required for these units.

d. Pal Controllers
The Pal controllers found mostly in small town locations are used for remote volume control. They also have adjustments on the front for show volume control and MIC volume control. No calibration is required for this unit.

4. Check your Game Room Audio levels and tweak as necessary.
    a. With your db meter set to "70" (Fast & dbC) check your audio levels in the game room skills area. (Remember, this should be done prior to your store opening with minimal ambient noise in order to get a proper reading.) Stand under one of your ceiling speakers and aim your db meter toward the speaker. It should be hitting between 72-74dbs. If it's good, leave it alone. If not, you must adjust the level from the back of your lower amp (channel 1 on the left!). You may want to work in a team of 2…one at the speaker and one at the amp. Tweak until the level is correct. You should not have to change this again.
    b. Repeat the above step for your Kiddie area. Again, the level should be hitting between 72-74dbs.
    c. Congrats…you've set your game room audio to spec. You rock.

5. Mark your settings.
    a. Now that you've set your levels, simply mark your amps with a paint marker or white out to know where the correct levels are to be set. The stronger presence of the show in the store will bring great enjoyment to both you and your guests. Thanks!

DEPT 18 - SHOW AUDIO STANDARDS

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